UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission

	TO THE COMMISSIONER FOR PATENTS	
	Mail Stop Patent Application	
	P.O. Box 1450 Alexandria, VA 22313-1450	
Transmitted here	ewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent appli	cation for an
invention entitled	d:	cation for an
SEMICONDL IS IMPROVE	UCTOR APPARATUS OF WHICH RELIABILITY OF INTERCONNECTIONS ED AND MANUFACTURING METHOD OF THE SAME	
	The state of the s	
and invented by:		
Yoshihisa MA Masahiro KO	ATSUBARA	
Manabu IGU	JCHI	
Takahiro ON Norio OKAD		2
" ~ CONTINUAT	TION APPLICATION shock appropriate her and cumply the requisite information:	
	TION APPLICATION, check appropriate box and supply the requisite information:	W ===
☐ Continuation	on Divisional Continuation-in-part (CIP) of prior application No.:	
Which is a:		
☐ Continuation	on 🔲 Divisional 🗀 Continuation-in-part (CIP) of prior application No.:	
Which is a:		
☐ Continuation	on Divisional Continuation-in-part (CIP) of prior application No.:	
Enclosed are:		
	Application Elements	
1 (9) Eiling	a for an adjointed and transmitted as described helping	
1. 🔀 Filing	g fee as calculated and transmitted as described below	
- 2. 🛛 Spec	cification having 52 pages and including the following:	
a. 🗷	Descriptive Title of the Invention	
b. 🗀 (Cross References to Related Applications (if applicable)	
c. 🔲 :	Statement Regarding Federally-sponsored Research/Development (if applicable)	
d. 🗀 🔞	Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix	•
e. 🔀 i	Background of the Invention	
	Brief Summary of the Invention	
	Brief Description of the Drawings (if filed)	
	Detailed Description	
	Claim(s) as Classified Below	
j. 🛭 🗸	Abstract of the Disclosure	

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission

		Application Elements (Continued)
3.	X	Drawing(s) (when necessary as prescribed by 35 USC 113)
	a.	
	b.	☐ Informal Number of Sheets
4.	X	Oath or Declaration
	a.	■ Newly executed (original or copy) □ Unexecuted
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
	C.	☑ With Power of Attorney ☐ Without Power of Attorney
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.		Application Data Sheet (See 37 CFR 1.76)
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
	a.	☐ Computer Readable Form (CRF)
	b.	☐ Specification Sequence Listing on:
		i. CD-ROM or CD-R (2 copies); or
		ii. 🔲 Paper
_	C.	Statement(s) Verifying Identical Paper and Computer Readable Copy
		Accompanying Application Parts
.9.	X	Assignment Papers (cover sheet & document(s))
10.		37 CFR 3.73(B) Statement (when there is an assignee)
11.		English Translation Document (if applicable)
12.	X	Information Disclosure Statement/PTO-1449 Copies of IDS Citations
13.		Preliminary Amendment
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.	X	Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	X	Certificate of Mailing
		First Class Express Mail (Specify Label No.): EV 185861289US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission 4

Accompanying Application Parts (Continued)

17.	×	Additional Enclosures (please identify below):		
		Assignee: NEC Electronics Corporation		
		Kawasaki, Japan		
		Claim of Priority: Japanese #2002-188927 of June 28, 2002 (herewith)		
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)		
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.		
		Warning		

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

AJTILITY PATENT APPLICATION TRANSMITTAL (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission

[19] Correspondence /Address Customer No.: 23389

Fee Calculation and Transmittal **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee **Total Claims** 22 - 20 = 2 \$18.00 \$36.00 Indep. Claims 2 - 3 = 0 \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$750.00 OTHER FEE (specify purpose) \$0.00 **TOTAL FILING FEE** \$786.00 A check in the amount of \$786.00 to cover the filing fee is enclosed. The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below. Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Signature Paul J. Esatto, Jr., Reg. No. 30,749 Dated: June 27, 2003 SCULLY, SCOTT, MURPHY & PRESSER PJE:ahs CC:

CERTIFICATE OF MACHINE Applicant(s): Yoshihisa M	IAILING BY "EXPRESS N IATSUBARA, et al.	MAIL" (37 CFR 1.10)	Docket No. 16782
Serial No. Unassigned	Filing Date Herewith	Examiner Unassigned	Group Art Unit Unassigned
	CTOR APPARATUS OF WHIC IMPROVED AND MANUFAC	CH RELIABILITY OF THE SA	ME
	÷		
		(Identify type of correspondence) se "Express Mail Post Office to A	
1450, Alexandria, VA 22	2242 4450 an	he United States Patent and Trad June 27, 2003 (Date)	ветагк Опісе, Р.О. вох
		Paul J. Esatto . (Typed or Printed Name	ſr.

Note: Each paper must have its own certificate of mailing.